

GRIGORENKO, Petr Grigor'yevich, dotsent, kand.voyennykh nauk, general-major; MILYUTENKOV, Dmitriy Matveyevich, kand.voyennykh nauk, starshiy nauchnyy sotrudnik, polkovnik; PROKHORKOV, Ivan Ignat'yevich, kand.voyennykh nauk, polkovnik; SIDORENKO, Andrey Alekseyevich, kand.voyennykh nauk, podpolkovnik; SHRAMCHENKO, Aleksandr Filippovich, kand.voyennykh nauk, starshiy nauchnyy sotrudnik, polkovnik; KUROCHKIN, P.A., general armii, red.; MOROZOV, B.N., polkovnik, red.; MEDNIKOVA, A.N., tekhn.red.

[Methodology of military research] Metodika voenno-nauchnogo issledovaniia. Pod red. P.A.Kurochkina. Moskva, Voen.izd-vo M-va obor.SSSR, 1959. 266 p. (MIRA 13:3)  
(Military art and science)

PROKHOROV, I.I.

Calculating the depth of soil freezing. Trudy KazNIGMI no.5:101-115  
'55. (Soil freezing) (MLRA 9:10)

PROKHOROV, I. I.

Measurement of Precipitations in Hard-To-Reach Locations

Schematic diagram of a simplified long time operating self-recorder of precipitations is given. This self-recorder may be attached to any precipitation meter. (RZhFiz, No. 8, 1955) Tr. Kazakhsk. n.-i. Gidromet. in-ta, No. 3, 1954, 20-26.

SO: Sum. No. 744, 8 Dec 55 - Supplementary Survey of Soviet Scientific Abstracts (1?)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343120015-1"

AKSENOV, Petr Pavlovich, prof., doktor tekhn. nauk; Prinimali  
uchastiye: MAKAROVA, N.S., kand. tekhn. nauk; PROKHOROV,  
I.K., dots.; TYUKINA, Yu.P., dots.; PESOTSKIY, A.N.,  
retsenzent; KHUDIN, A.S., retsenzent; BASKAKOV, Ye.D., otv.  
red.

[Technology of lumber] Tekhnologija pilomaterialov. Moskva,  
Goslesbumizdat, 1963. 578 p. (MIRA 17:5)

PROKHOROV, I. K.

Pressed wood. N. T. Rontsov and I. K. Prokhorov  
U.S.S.R. 100,084, July 23, 1987. Addn. to U.S.S.R.  
105,411 (C.A. 51, 117161). As cementing substance is  
used an intermediate of polycondensation and polymeriza-  
tion of phenol-HCHO resin or its product, a coagulate of  
urea with HCHO and sulfonaphthalenic acids. Each one of  
these can be used in quantities of up to 75-85%. Into the  
selected cementing compn. is added up to 60% of fire in-  
hibitors, antiseptics, and coloring substances, severally or  
together. M. Hoseh

4  
4E-3c(j)

PM

3  
I-Jones

The HD<sub>2</sub>e microwave spectrum. V. G. Veselago and  
A. M. Protopopov. Zhur. Eksp. Teor. Fiz. 31, 731  
(1956). The spectrum was studied by means of a radio-  
spectro-scope with elec. mol. modulation. J.P.I.

Refiled

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1

PROKHOROV, I.N., inzh.; BERSON, L.M., inzh.; KONTSOV, A.I., inzh.

Modernization of a welding ballast rheostat. Svar. proizv. no.11:  
(MIRA 13:10)  
37-38 N '60.  
(Electric welding--Equipment and supplies)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1"

FROKHOHOV, Ivan Frokhovich.

German question and tasks of guaranteeing European security. Moskva. Znanie. 1954. 19 r.  
(Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh znanii. Seriya  
1, no 32) (55-38863)

DD259.4.F7

1. Germany (Federal Republic, 1949- ) - Pol. & govt.  
2. Germany (Federal Republic, 1949- ) - Defenses.  
3. Europe - Defenses.

S/169/62/000/012/085/095  
D228/D307

AUTHOR: Prokhorov, I.P.

TITLE: Study of snow reserve conditions in Kazakhstan

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1962, 57,  
abstract 12V357. (In collection: Snezhn. pokrov, yego  
rasprostr. i rol' v nar. kh-ve, M., AN SSSR, 1962,  
20-24)

TEXT: In 1956-1958 the Kazakhskiy n.-i. gidrometeorologicheskiy institut (Kazakh Scientific-Research Hydrometeorological Institute) performed experimental work at 7 points in the north of the republic in order to ascertain the most rational method for snow-measuring observations. It was established that, when the depth of the snow cover was measured on stationary and topographic surveys, the snow reserves given by stationary surveys were almost twice as high. Topographic surveys established that around a steppe settlement a circular zone, with a radius of about 3 km and a reduced depth of snow cover, developed as a result of wind action and other

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S/169/62/000/012/083/095  
D228/D307

Study of snow reserve ...

factors. On the ground of comparing observational materials it was established that contemporary methods of snow-measuring observations should be re-examined for a number of regions in Kazakhstan, and that they should be supplemented by observations of the evaporation and movement of snow during snowstorms. For Kazakhstan evaporation from the snow cover amounts to 0.4 mm a day. This means that each hectare of area loses 120 m<sup>3</sup> of water in evaporation from the snow cover. Evaporation from a rough snow surface was found to be more than that from a smooth surface. Therefore, when the snow cover is not very thick and clear weather predominates, the retention of snow in dumps may not necessarily give the desired effect. Work on the study of snow in Kazakhstan, where it is in individual regions almost the only source of moisture, will be continued in the near future. 4 references.

[Abstracter's note: Complete translation]

Card 2/2

PROKHOROV, I.S.

Selection of the circuit of a low-frequency transistor amplifier  
with direct connection. Primenenie no. 1214-8 D 164.  
(MIRA 18:3)

PROKHOROV, Kirill Valentinovich; FAVORSKAYA, M.A., doktor geol.-  
min. nauk, otv. red.

[Tertiary granitoids of Kamchatka] Tretichnye granitoidy  
Kamchatki. Moskva, Izd-vo "Nauka," 1964. 132 p.  
(MIRA 17:5)

PROKHOROV, K. V.

Comagmatic Tertiary granitoids and effusives in Kamchatka. Izv.  
AN SSSR Ser. geol. 27 no.10:20-32 0 '62.  
(MIRA 15:10)

1. Laboratoriya vulkanologii AN SSSR, Moskva.  
(Kamchatka—Rocks, Igneous)

PROKHOROV, K.V.

Evolution of magmatic melts in the crystallization process of  
hybrid magmas as revealed by the studies of Tertiary granitoids  
in Kamchatka. Izv.AN SSSR.Ser.geol. 27 no.8:60-77 Ag '62.  
(MIRA 15:8)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,  
mineralogii i geokhimii AN SSSR.  
(Kamchatka--Magma) (Kamchatka--Granite)

29043  
S/081/61/000/018/023/027  
B101/B147

15 8080

AUTHORS: Prokhorov, L. I., Makarov-Zemlyanskiy, Ya. Ya.

TITLE: Production of fireproof polyamides

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 18, 1961, 522, abstract  
18P39 (Nauchn. tr. Mosk. tekhnol. in-t legkoy prom-sti,  
no. 17, 1960, 35 - 41)

TEXT: A chlorine-substituted polyamide (CSP) was obtained from the dichloride of dichloro adipic acid (I) and from hexamethylene diamine (II) by polycondensation at the interface benzene - water. For this purpose, 100 milliliters of II dissolved in alkali were added dropwise to 100 milliliters of I dissolved in benzene while intermixing rapidly. Intermixing was continued for 10 - 12 min at about 20°C. The resulting CSP was filtered off, washed with acetone and hot water, and dried in vacuo. A study of the effect of the concentration of the initial solutions on the yield of CSP has shown that the highest yield (52.9%) is obtained at a concentration of 0.20 mole/liter. CSP softens at 80 - 100°C, melts at 197 - 203°C, is readily soluble in benzyl alcohol and cresol, soluble in HCOOH, X

Card 1/2

Production of fireproof...

29013  
S/081/61/000/015/023/027  
B101/B147

$\text{CH}_3\text{COOH}$ , concentrated  $\text{H}_2\text{SO}_4$ , in mixtures of  $\text{CH}_3\text{OH}$  and  $\text{CHCl}_3$ , or  $\text{C}_2\text{H}_5\text{OH}$  and  $\text{CHCl}_3$  in ratios of 60 : 40 and 50 : 50. It is insoluble in  $\text{CCl}_4$  and weakly soluble in  $\text{CHCl}_3$ , dichloro ethane, etc. CSP displays great adhesion to glass, metal, and wood. Films obtained from solutions of CSP in  $\text{HCOOH}$  or mixtures of alcohols and  $\text{CHCl}_3$  are brittle and unstable.

[Abstracter's note: Complete translation]

X

Card 2/2

ACC NR: AP6033910

(A)

SOURCE CODE: UR/0323/66/000/004/0050/0056

AUTHORS: Prokhorov, L. I. (Engineer); Khromova, N. S. (Candidate of technical sciences, Docent); Pavlov, S. A. (Doctor of technical sciences, Professor)

ORG: Moscow Technological Institute of Light Industry (Moskovskiy tekhnologicheskiy institut legkoy promyshlennosti)

TITLE: The influence of the type of diisocyanate and of blocking substances on the properties of porous materials manufactured from carboxyl-containing rubbers

SOURCE: IVUZ. Tekhnologiya legkoy promyshlennosti, no. 4, 1966, 50-56.

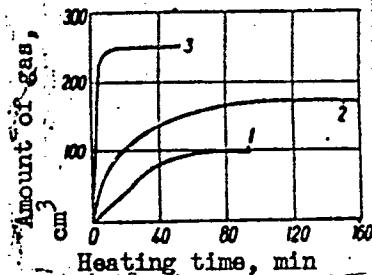
TOPIC TAGS: polymer, rubber, toluene diisocyanate, methylmethacrylate / SKS-30-1 rubber

ABSTRACT: The properties of porous materials obtained by the action of 2,4-toluylene diisocyanate and of hexamethylenediisocyanate respectively, blocked with either acetoacetic ester or with tertiary butyl alcohol, on the carboxyl-containing rubber SKS-30-1, were investigated. The investigation supplements the results of L. I. Prokhorov, N. S. Khromova, and S. A. Pavlov (Polucheniye poristykh struktur s ispol'zavaniyem blokirovannogo toluiredniizotsianata, Izvestiya vysshikh uchebnykh zavedenii, Tekhnologiy legkoy promyshlennosti No. 3, 1966). The rate of gas evolution during heating and the mechanical properties of the products were determined.

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ACC NR: AP6033910

Fig. 1. Dependence of the amount of gaseous products formed during the interaction of free and blocked toluylendiisocyanate respectively with methylmethacrylate on the period of heating at 150°C. 1 - blocked diisocyanate; 2 - free diisocyanate; 3 - free diisocyanate in the presence of triethylamine



The experimental results are summarized in graphs and tables (see Fig. 1). It was found that the introduction of 2,4 toluylenediisocyanate blocked with acetoacetic ester into rubber SKS-30-1 yields a better product than does the introduction of hexamethylenediisocyanate, similarly blocked, into the same substrate. Orig. art. has: 3 tables and 3 graphs.

SUB CODE: 11/ SUBM DATE: 03Nov65/ ORIG REF: 002/ OTH REF: 002

Card 2/2

SOV/54-58-4-9/18

24(5)

AUTHORS:

Novozhilov, Yu. V., Prokhorov, L. V.

TITLE:

On the Forces Acting Between Nucleons and Hyperons in Accordance  
With the Meson Theory (O silakh mezhdu nuklonami i giperonami  
soglasno mezonnoy teorii)

PERIODICAL:

Vestnik Leningradskogo universiteta. Seriya fiziki i khimii,  
1958, Nr 4, pp 80-92 (USSR)

ABSTRACT:

This paper deals with the contribution of  $\pi$ -mesons to the nucleon-hyperon-potential without making use of the perturbation theory. For the investigation of the hyperon-nucleon-potential the following conditions are important: the computation of the potential ought to be possible within the scope of the non-relativistic theory. It is assumed that in the case of scattering of  $\pi$ -mesons on hyperons the cross section has a resonance character and that the latter is very considerable so that it is possible to neglect the non-resonance cross section; if there is no maximum of the scattering cross section of  $\pi$ -mesons in the non-relativistic energy range this theory is not permissible in this case. Further: the potentials differ with respect to the degree of their decrease with growing distance; the velocity-

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SOV/54-58-4-9/18

On the Forces Acting Between Nucleons and Hyperons in Accordance With the  
Meson Theory

dependent terms in the potential are calculated with linear approximation. The meson cloud is of quasi-static character. Within the framework of this theory of scattering of the dressed particles, expressions are set up for the nucleon-hyperon adiabatic and the velocity-dependent potential and simplified for the non-relativistic case. The asymptotic expansions of these potentials are computed. In continuation of this the properties of the operator  $\Theta$  are investigated and the possible resonant condition of the scattering of pions and hyperons is determined. It is not possible to obtain the two terms  $W_{06}$  and  $W_{66}$  by the perturbation theory.  $W_{06}$  contains the pion-nucleon scattering cross section  $\sigma_1$  or the pion-hyperon cross section  $\sigma_2$  linearly, whereas  $W_{66}$  depends quadratically on  $\sigma_1$ . There are 9 references, 3 of which are Soviet.

Card 2/2

NOVOZHILOV, Yu.V.; PROKHOROV, L.V.

Forces between nucleons and hyperons according to the meson theory  
[with summary in English]. Vest. LGU 13 no.22:80-92 '58.  
(MIRA 12:4)

(Particles, Elementary)

(Nuclear forces)

S/056/60/039/006/030/063  
B006/B056

AUTHORS: Braun, M. A., Prokhorov, L. V.

TITLE: Properties of the Scattering Amplitude Resulting From Unitarity

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1960,  
Vol. 39, No. 6(12), pp. 1641-1646

TEXT: The scattering amplitude in two-particle interaction is studied along with the restrictions resulting from the principle of unitarity and the analyticity properties. Only general estimates are obtained, however, without application of any approximation. The scattering of two neutral spin-zero particles of the mass  $\mu$  is studied, whose interaction may be characterized by the amplitude  $A(s,t) \equiv A(s,x)$ , where  $s$  and  $t$  are the invariant variables of the Mandelstam theory,  $x$  is the scattering angle cosine in the c.m.s;  $s = 4(q^2 + \mu^2)$ ,  $t = -2q^2(1-x)$ ,  $q$  is the momentum. The limitedness of the quantity  $\text{Im } A(s,t)$  as a function of  $s$  (with  $s > 4\mu^2$ ), which contains no discontinuities of the first kind in

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Properties of the Scattering Amplitude  
Resulting From Unitarity

S/056/60/039/C06/030/063  
B006/B056

the physical range of the variables, is investigated first. From the unitarity conditions (7):  $\text{Im } A_1(s) = (2q/\sqrt{s}) |A_1(s)|^2 + \text{terms for inelastic scattering}$  it follows for partial waves that  $\text{Im } A_1(s) > 0$ . Now the behavior of  $\bar{A}(s, x)$  at  $s \rightarrow \infty$  is investigated. From (7) it may be concluded that with sufficiently large  $s$ ,  $|A_1(s)| \leq 2$ . It may be shown that, always assuming that the energy tends toward infinity, the amplitude cannot increase unrestrictedly, except, possibly, individual scattering angle values  $x$ . It is shown that under certain reasonable assumptions, the total scattering cross section cannot become infinitely large with growing energy  $s$ . The authors finally thank Yu. V. Novozhilov for his interest and discussions, and K. K. Golovkin for his advice in connection with mathematical problems. I. Ya. Pomeranchuk is mentioned. There are 3 references: 1 Soviet, 1 US, and 1 Italian.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: May 25, 1960

Card 2/2

39486  
S/056/62/043/002/020/053  
B104/B108

24.4400

AUTHOR: Prokhorov, L. V.

TITLE: Contribution of space-like intervals in the S-matrix

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 43,  
no. 2(8), 1962, 476-482

TEXT: The asymptotic relation which states that the field  $A(x)$  goes over into free fields  $a_{in(out)}(x)$  when  $t \rightarrow -\infty (+\infty)$  is very important for the scattering formalism in quantum-field theory. Different formulations of this condition make it possible to study different properties of the scattering processes. It is shown that the usual formulation

$$\lim_{x_0 \rightarrow -\infty(+\infty)} (-i) \int d^3x f_\beta(x) \frac{\partial}{\partial x_0} \langle \Psi | A(x) | \Phi \rangle = \langle \Psi | a_{in(out)}(\beta) | \Phi \rangle, \quad (2)$$

of this condition (H. Lehman et al., Nuovo Cim., 1, 205, 1955) can be represented in the form

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S/056/62/043/002/020/053  
2104/3105

Contribution of space-like ...

$$\lim_{x_0 \rightarrow -\infty(\infty)} (-i) \int d^3x e(x_0^2 - a^2 x^2) \left\{ f_\beta(x) \frac{\vec{\partial}}{\partial x_0} \langle \Psi | A(x) | \Phi \rangle \right\} = \quad (3)$$

$$= \langle \Psi | a_{ln(out)}(3) | \Phi \rangle,$$

Integration of (2) goes over the entire hyperplane  $x_0 = t$ , and the integration of (3) covers only that part which lies inside a cone with a vertex angle greater than that of the light cone. When  $|t| \rightarrow \infty$ , the limits are equal in both cases since the function to be integrated over decreases rapidly in a space-like direction. The asymptotic relation makes it possible to re-define the T-product of the field operators, resulting in an expression of the form

$$S_{\alpha\beta} = (-i)^n \int dx_1 \dots dx_n f_\alpha(x_1) \dots f_\beta(x_n) K_{x_1} \dots K_{x_n} \langle 0 | \tilde{T}_\epsilon(x_1, \dots, x_n) | 0 \rangle, \quad (11)$$

$$\tilde{T}_\epsilon(x_1, \dots, x_n) = \sum_{(1,2,\dots,n)} e_\epsilon(x_1 - x_2) \dots e_\epsilon(x_{n-1} - x_n) \tilde{v}(x_1 - x_2) \dots$$

$$\dots \tilde{v}(x_{n-1} - x_n) A(x_1) \dots A(x_n)$$

for the transition amplitude. The new T-product vanishes if any pair of variables satisfies the condition

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Contribution of space-like ...

S/056/62/043/002/020/053  
B104/B108

$$(x_{t_0} - x_{k_0})^2 - \alpha^2 (x_t - x_k)^2 \leq 0, \quad \alpha < 1.$$

This representation makes it possible to study the analytical properties of the transition amplitude in greater detail and to set up a relativistically invariant scattering formalism for non-local fields similar to the formalism of the local field theory.

ASSOCIATION: Leningradskiy gosudarstvennyy universitet (Leningrad State University)

SUBMITTED: January 16, 1962

Card 3/3

PROKHOROV, I. V.

Analytic properties of the forward scattering amplitude in  
nonlocal theory. Zhur. eksp. i teor. fiz. 45 no. 3:791-796 S '63.  
(MIRA 16:10)

1. Leningradskiy gosudarstvennyy universitet.  
(Scattering (Physics))

PROKHOROV, L.V.

Analytic properties of the form factor in nonlocal theory. Vest.  
LGU 20 no.4:26-29 '65. (MIRA 18:4)

L 51388-6; EWT(1)/EWA(j)/EWA(b)-2 RO/JK

ACCESSION NR: AP5011968

UR/0348/65/000/002/0016/0018

AUTHORS: Prokhorov, M. (Professor); Serebryakova, L. (Junior research associate)

TITLE: Introduction of bacterial cultures in grain media

SOURCE: Vashchita rasteniy ot vrediteley i bolezney, no. 2, 1965, 16-18

TOPIC TAGS: agriculture, pesticide, biological research, bacteria, bacteriologic culture

ABSTRACT: Grain inculcated with cultures of rodent typhus is widely used as a zooicide in the SSSR because of its many advantages over liquid preparations. Properly prepared grain contains the elements necessary for culture growth, preserves the bacterial activity for long periods, and may be distributed by several methods.

L 51388-6;

ACCESSION NR: AP5011968

quantities, costs, and results of its applications in various regions are listed. The applications are most effective in early spring and late fall. The treated grain has no harmful effects on humans or livestock, does not germinate, and is lethal to all types of small rodents.

ASSOCIATION: Vsesoyuznyy institut sel'skokhozyaystvennoy mikrobiologii, Leningrad  
(All-Union Institute of Agricultural Microbiology)

"APPROVED FOR RELEASE: 06/15/2000

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SUBMITTED: 00

ENCL: 00

DUP VOLUME: 00

NO REF SOR: 000

OTHER: 000

Card 2/2

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1"

BEREZOVA, Ye.; BORODULINA, Yu.; BUSHUYEVA, P.; GEL'TSER, F.; GOLIKOV, V.;  
DOROSINSKIY, L.; KOZLOVA, N.; KRAKHIN, P.; KRUGLOV, N.; LAZAREV, N.;  
LAMPOVSHCHIKOV, P.; MAKAROVA, M.; MARKOVA, Z.; NESTEROVA, Ye.;  
PROKHOROV, M.; SOROKINA, T.; STARYGINA, L.; KHUDYAKOV, Ya.

Ivan Il'ich Samoilov; obituary. Mikrobiologija 28 no.2:318-  
319 Mr~Ap '59. (MIRA 12:5)  
(SAMOILOV, IL'IA IL'ICH, 1900-1958)

PROKHOROV, M.A.

Manufacture of large reinforced concrete elements in portable  
steam chambers. Prom. stroi. 40 no.12:44-48 '62. (MIRA 15:12)  
(Autoclaves)  
(Precast concrete)

PROKHOROV, Mikhail Andreyevich; ASTAF'YEV, V.Ya., kand.nauk, red.;  
TSAR'KOV, V., red.; VORONKOVA, Ye., tekhn.red.

[Hearing and sound] Zvuk i slukh. Pod red. V.IA. Astaf'eva.  
Penza, Penzenskoe knizhnoe izd-vo, 1959. 38 p. (MIRA 13:2)  
(Sound) (Hearing)

PROKHOROV, Mikhail Andreyevich, inzh.; MIKHEYEV, Yakov Fedorovich;  
ANTONOV, N.N., inzh., red.

[Mobile automatic steam chambers for heat treating large  
reinforced concrete products; practices of the "Promstroi"  
Trust in the city of Penza] Perekvizhnye avtomaticheskie  
proparkochnye kamery dlia termoobrabotki krupnogabaritnykh  
zhelezobetonnykh izdelii; opyt tresta "Promstroi" g. Penzy.  
Moskva, Stroizdat, 1964. 15 p. (MIRA 18:5)

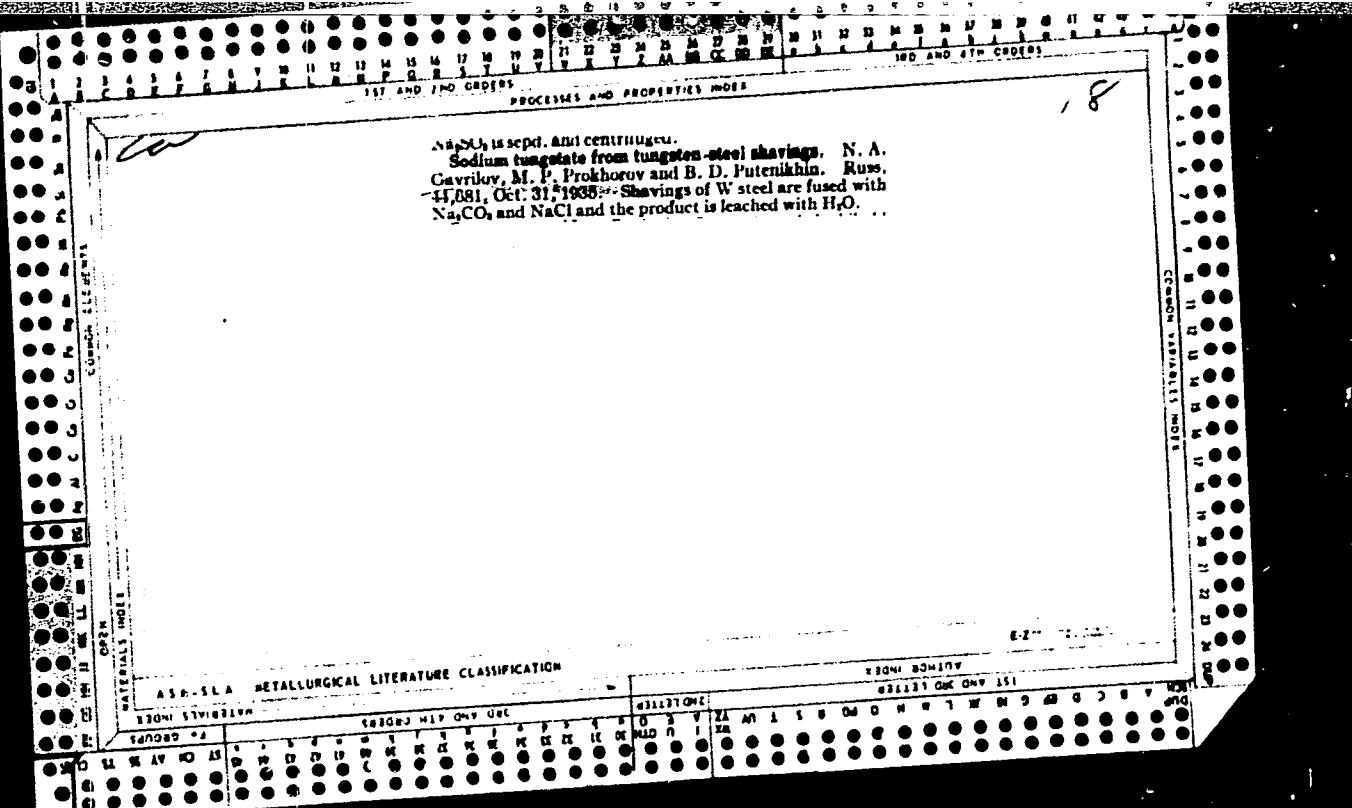
1. Starshiy prepodavatel' kafedry fiziki i elektrotehniki  
Penzaenskogo inzhenerno-stroitel'nogo instituta (for Prokhorov).
2. Nachal'nik proizvodstvenno-tehnicheskogo otdela tresta  
"Promstroy" goroda Penzy (for Mikheyev).

ASTAF'YEV, Viktor Yakovlevich, prepodavatel'; PROKHOROV, Mikhail Andreyevich,  
prepodavatel'; TOLMIRIDI, L., red.; VORONKOVA, Ye., tekhn.red.

[Automation in the manufacture of precast reinforced concrete]  
Avtomatizatsiya v proizvodstve sbornogo zhelezobetona. Penza,  
Penzenskoe knizhnoe izd-vo, 1961. 61 p. (MIRA 15:4)

1. Penzenskiy inzhenerno-stroitel'nyy institut (for Astaf'yev,  
Prokhorov).

(Automation) (Precast concrete)



ASTAF'YEV, Ya., kand. tekhn. nauk; PROKHOROV, M.A., starshiy prepodavatel'

Program thermostat for steam chambers of precast reinforced concrete  
plants. Uch. zap. Penz. inzh.-stroi. inst. no.2:3-21 '62.  
(MIRA 17:11)

PA 22/49T69

PROKHOROV, M. I.

USSR/Medicine -- Bacteria, Aerobic      Sep 48  
Medicine -- Swine

"Aerobic Microflora of the Flesh and Organs of  
Infected Swine," M. I. Prokhorov, Cand Vet Sci,  
Leningrad Lab, VetSanEkspertizy, 2<sup>1</sup>/<sub>2</sub> pp

"Veterinariya" No 9

Subjects 7,650 samples of meat and organs of  
infected pigs to bacteriological examination.  
Results: salmonella 16%, coli 22.8%, coccus  
16.6%, putrescent 1.3%, and pathogens causing  
epizootic disease 5.9%. Total infected samples:  
62.2%. Discusses results.

22/49T69

PROKHOROV, M.I., doktor veter. nauk, red.; GOKHNER, L.M., red.

[Using micro-organisms in the control of farm plant  
diseases and pests] Ispol'zovanie mikroorganizmov dlia  
bor'by s vrediteliami i bolezniami sel'skokhoziaistven-  
nykh rastenii. Leningrad, Izd-vo "Kolos," 1964. 85 p.  
(MIRA 17:6)

PROKHOROV, M.I.

22617. PROKHOROV, M.I. Aerobnaya mikroflora myasa i organov bol'nykh ovets  
Veterinariya, 1949, No. 7, S. 47-49      "aerobic microflora of the meat organs  
of ill sheep."  
SO: LETOPIS' No. 2<sup>o</sup>, 1949

Farmgaz Lab. of Veterinary-Sanitary Inspection

PROKHOROV, M. I.

25801

Bakteriologicheskiy metod bor'by s myshami. Pchelovodstvo, 1949, No. 8. 54-55.

Pazvibat' i vnedryat' v sel'skokhozyaystvennyu prakitiku michurinskuyu  
Pauku. - Sm. 25617

Fal'kenshteyn, B. Yu. Bor'ba s gryzunami i estestvennyy otbor. - Sm. 25643

SO: Letopis' No. 34

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1

PROKHOROV, M. I., Cand. of vet. sci.

Leningrad Lab. of Vet.-Sanitary Inspection

"Aerobic microflora of the meat and organs of sick calves."

SO: Veterinariia 27(1), 1950, p. 47

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1"

PROKHOROV, M.; KAPUST'YAN, I.

Reconstruction of the processing tower of the grain elevator at the  
Kaluga Grain Milling Combine. Muk.-elev.prom. 26 no.1:24-25 Ja  
'60. (MIRA 13:6)

1. Kaluzhskiy mel'nichnyy kombinat.  
(Kaluga--Grain elevators)

PROKHOROV, M.

T

Bakteriologicheskiy metod bor'by s myshevidnymi gryzunami (Bacteriological method of combating mouse-like rodents) Moskva, Sel'khozgiz, 1951. 82 p. illus., tables. "Literatura"  
p. (83)

N/5  
646.21  
.P9

PA 190167

USSR/Medicine (Veterinary) - Infectious

Diseases Mar 51

"Bacteriological Fight With Rodents as a Method of Prophylaxis Against Infectious Diseases," M. I.

"Veterinariya" Vol XXVIII, No 3, pp 36, 37

Infestation with bacteria of Marezhkovskiy or Isachenko (formerly Danich) has been successfully used for exterminating disease-transmitting mice and rats at livestock and poultry farms. Epizooty could be stopped thereby. Method is safe: Infestation of livestock or birds with disease of paratyphoid type

USSR/Medicine (Veterinary) - Infectious Diseases (Contd) Mar 51

(which would be caused by bacteria used) was never observed. Stock cultures of the bacteria can be obtained from the All-Union Inst of Agr Microbiol, 42 Gertsen St, Leningrad.

190167

USSR/Medicine, Epidemiology - Bacteriological Rodent Control  
Jan/Feb 52

"The Part of Russian Scientists in the Discovery and Development of the Bacteriological Method for Control of Harmful Rodents," M. I. Prokhorov, All-Union Sci Res Inst of Agr Microbiol, Leningrad

"Mikrobiologiya" Vol XXI, No 1, pp 109-115

I. I. Mechnikov in 1887 found that Bact. bipolaris avisepticum is effective for exterminating Citellus citellus (suslik). This microorganism was repeatedly used later under field conditions in Russia, and was found effective (but not used) against rabbits in Australia. S. S. Merezhkovskiy 223T36

(1893) isolated from Citellus citellus the microorganism Bact. typhi spermophilorum, subsequently used on a wide scale in Russia against field mice. The bacilli of I. Darysz (France, about 1900) were actually discovered by Issachenko (Russia, 1897). They are being used for the extermination of rats and other rodents in the USSR at present. The USSR has an extensive network of plants and laboratories in which cultures for the widely applied method of bacteriological rodent control are being bred.

PROKHO ROV. M. I.

223T36

USSR/Medicine - Extermination of Rats

Sep 52

"Results of Bacteriological Method of Deratization in Some Districts of Leningrad," M. I. Prokhorov, V. T. Bobovich, I. Yu. Sintsova, A. D. Kosinskaya, All-Union Inst of Agr Microbiol

"Veterinariya," Vol XXIX, No 9, pp 45-47

Bacteriological deratization, conducted in the fall of 1948, was effective in majority of cases. Rodents were exterminated without endangering either humans or domestic animals. Cultures of bacteriologist Danich, which were prep'd by the Inst of Agr Microbiol and which proved fatal to 80% - 100% of exptl gray rats within 4-8 days, was used. The bacteriological deratization embraced a large area and a study of its effectiveness began 3 days after dissemination of bait. Reasons why 100% satisfactory results were not obtained in a few cases may be explained by low organization and lack of coordinated effort.

PROKHOROV, M. I.

225T25

PROKHOROV, M.I., kandidat veterinarnykh nauk.

Focal necrosis of adipose tissue of sheep and veterinary sani-  
tation examination. Veterinariia 30 no.11:48-49 N '53. (MLRA 6:11)

PROKHOROV, M. I.  
USSR/Medicine - Veterinary

FD 320

Card 1/1

Author : Prokhorov, M. I., Candidate of Veterinary Sciences and Bobovich, V. T.,  
Scientific Associate

Title : Bacterial cultures for deratization

Periodical : Veterinariya, 6, 49-52, June 1954

Abstract : Bacteriological method of extermination of ratlike rodents was tried out  
under various climatic conditions in the USSR and proved highly effective.  
Instruction covering the use of this bacteriological method was approved on  
April 25, 1953 by the chief of the Veterinary Administration, Main Adminis-  
tration of Animal Husbandry, Ministry of Agriculture, USSR. Many veterinary  
bacteriological laboratories and experimental stations have been preparing  
Isachenko and Merezhevskiy cultures of bacteria for use against rodent pests.  
Possibility exists for utilization of solid vegetable culture medium from rye,  
wheat, and buckwheat groats, oatmeal, and pearl-barley in preparing bacterial  
cultures for use in deratization. Three tables.

Institution :

Submitted :

ПРАХИЧЕВ, М. И.

Trokhachev, M. I.

"Theoretical principles and practical procedures in using bacteria to combat rodents resembling mice." Min Agriculture USSR. Leningrad Veterinary Inst. Leningrad, 1956. (Dissertation for the Degree of Doctor in Veterinary Sciences)

Knizhnaya letopis'  
No 34, 1956, Moscow.

USSR/Microbiology - Microbiology Pathogenic to Humans and  
Animals.

F-4

Abs Jour : Ref Zhur - Biol., № 12, 1958, 52848

Author : Prokhorov, M.I., Simonova, L.A.

Inst :

Title : New Media for Cultivating Bacteria for Control of  
Harmful Rodents and Insects.

Orig Pub : Byul. nauchno-tekhn. inform. po s.-kh. mikrobiol., 1957,  
No 3, 28-30.

Abstract : No abstract.

Card 1/1

PROKHOROV, M.I., doktor biologicheskikh nauk; POZHANSKAYA, I.D.

Use of oats for culturing bacteria used in rat eradication.  
Trudy VIZR no.12:164-167 '58. (MIRA 13:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyay-  
stvennoy mikrobiologii (for Prokhorov).  
(BACTERIA, PATHOGENIC) (OATS)  
(RATS--EXTERMINATION)

PROKHOROV, M.I., doktor veterin. nauk (Leningrad)

From the work of the All-Union Research Institute of Agricultural  
Microbiology. Zashch. rast. ot vred. i bol. 6 no.11:23-25 № '61.  
(MIRA 16:4)  
(Agricultural microbiology—Research)

TARANOV, M., kand.biologicheskikh nauk; FADEYEV, B.; PROKHOROV, M.

Chemical preservation of forage corn with a high moisture content.  
Muk.-elev. prom. 28 no.10:7-8 0 '62. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut fiziologii i biokhimii sel'skokhozyaystvennykh zhivotnykh (for Taranov).
2. Timashevskiy kukuruzoobrabatyvayushchiy i khlebopriyemnyy kombinat (for Fadeyev, Prokhorov).

(Corn (Maize)--Storage) (Sodium pyrosulfites)

PROKHOROV, Mikhail Il'ich, doktor veter. nauk; POLYAKOV, P.Ya., red.;  
BARANOVA, L.G., tekhn. red.

[Microbiological control of harmful rodents] Mikrobiologiche-  
skii metod bor'by s vrednymi gryzunami. Leningrad, Sel'khoz-  
izdat, 1962. 132 p.  
(Rodent control--Biological control)

PROKHOROV, M.I.; SIMONOVA, L.A.

Experiments in testing new media for bacterial cultures used in  
the control of injurious rodents and insects. Trudy Vses. inst.  
sel'khoz. mikrobiol. no.14:333-343 '58. (MIRA 15:4)  
(Bacteriology--Cultures and culture media)  
(Rodentia--Biological control)  
(Insects, Injurious and beneficial--Biological control)

PROKHOROV, M.I.; BOBOVICH, V.T.

Experiments with the use of bacteria in controlling susliks.  
Trudy Vses. inst. sel'khoz. mikrobiol. no.14:353-360 '58.  
(MIRA 15:4)  
(Susliks—Biological control)

KANDYBIN, N.V.; PROKHOROV, M.I.; YEGOROVA, L.V.; SINTSOVA, L.Ya.; BOBOVICH,  
V.T.; SAMOYLOVA, M.Ye.

Use of dry bacterial preparations in the control of rodents in  
Leningrad Province. Trudy Vses. inst. sel'khoz. mikrobiol. no.14:  
344-352 '58. (MIRA 15:4)  
(Leningrad Province--Rodentia--Biological control)

PROKHOROV, M.I.

Some properties of bacteria No.5170 experimentally produced from Escherichia coli and causing typhus in murine rodents. Trudy Inst. mikrobiol. no.10:138-142 '61. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii Vsesoyuznyy akademii sel'skokhozyaystvennykh nauk imeni Lenina.

(ESCHERICHIA COLI)

(SALMONELLA)

SAMOYLOV, I.I., akademik, glavnnyy red. [deceased]; BEREZOVA, Ye.F., doktor biolog.nauk, zamestitel' glavnogo red.; BYLINKINA, V.N., kand.biolog.nauk, red.; HERESNEVA, V.N., kand.biolog.nauk, red.; DOROSINSKIY, L.M., kand.biolog.nauk, red.; PROKHOROV, M.I., kand. biolog.nauk, red.; MAKAROVA, M.M., kand.biolog.nauk, red.; KRONGAUZ, Ye.A., red.; ZUBRILINA, Z.P., tekhn.red.

[Microbiology in the service of agriculture] Mikrobiologija na sluzhbe sel'skomu khoziaistvu. Moskva, Gos.izd-vo sel'khoz.lit-ry, 1959. 309 p. (MIRA 13:8)

1. Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii. 2. Vsesoyuznaya akademiya sel'skokhozyaystvennykh nauk imeni V.I.Lenina (for Samoylov). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennoy mikrobiologii (for Berezova, Dorosinskiy).

(Bacteriology, Agricultural)

15-6000

29450  
S/081/61/000/017/152/166  
B117/B110

11.9000

AUTHORS: Sentyurikhina, L. N., Prokhorov, M. V.

TITLE: Selection of consistent lubricants for electric machine bearings

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 17, 1961, 473, abstract 17M229 (Vestn. elektroprom-sti, no. 1, 1961, 41-44)

TEXT: Friction points of 95 % of Soviet electric machines are lubricated with plastic lubricants. The selection of lubricants cannot be based on the determination of their penetration and the temperature of their drop point, as these indices do not determine the lubricant properties in operation. A table is presented which indicates how to choose the lubricants (from among types 1 - 13, ЦИАТИМ-203 (TsiATIM-203), ВНИИ НП-220 (VNII NP-220), and ВНИИ НП-214 (VNII NP-214), and which serves to determine the time when they are to be changed, basing on the maximum working temperature, on the velocity factor  $d \cdot n$  ( $d$  = bearing diameter in mm;  $n$  = revolutions per minute), and on the calculated load. Lubricants of a high shear strength and little evaporation are advisable at higher

✓H

Card 1/2

Selection of consistent lubricants...

29450  
S/001/01/000/017/152/166  
B117/B110

temperatures. It is pointed out that the bearings ought to be tightly packed with lubricant, and that there must be by all means a clearance in the bearing body. On an increase of  $d \cdot n$  the degree to which the bearing housing is to be packed with lubricant ought to be reduced from 50 % at  $d \cdot n \geq 300,000$  to 30 % at  $d \cdot n \leq 300,000$ . Bearings should be carefully cleaned whenever the oil is changed. An indiscriminate use of different types of lubricants must be avoided. [Abstracter's note: Complete translation.]

✓

Card 2/2

FRISHMAN, A.I., inzhener; PROKHOROV, M.V., inzhener.

Mechanization and automation in manufacturing electric motors  
at the "Vol'ta" Plant. Vest.elektrprom. 27 no.11:17-21 N '56.  
(MLRA 9:12)

1. Zavod "Vol'ta" (for Frishman). 2. Nauchno-issledovatel'skiy  
institut Ministerstva elektrpromyshlennosti (for Prokhorov).  
(Electric motors) (Metalworking machinery)  
(Automatic control)

SENTYURIKHINA, L.N., kand.khim.nauk; PROKHOV, M.V., inzh.

Selection of grease for the bearings of electric machinery.  
Vest. elektroprom. 32 no.1:41-44 Ja '61. (MIRA 14:3)  
(Bearings (Machinery)--Lubrication)

S/110/61/000/001/013/023  
E194/E455

5

AUTHORS: Sentyurikhina, L.N., Candidate of Chemical Sciences  
and Prokhorov, M.V., Engineer

10

TITLE: The Selection of Grease For the Bearings of Electrical  
Machines

15

PERIODICAL: Vestnik elektropromyshlennosti, 1961, No.1, pp.41-44

20

TEXT: The lubrication of rolling bearings is briefly discussed.  
Oil is a better lubricant, but grease is widely used for a variety  
of reasons. The most widely used greases are grades УТВ(1-13)  
(UTV (1-13))ЦИАТИМ-201 (TsIATIM-201)ЦИАТИМ-203  
(TsIATIM-203) and ЦИАТИМ-221 (TsIATIM-221).<sup>17</sup>

25

Greases based on natural and synthetic fatty acids can operate at temperatures up to 55°C; other greases suitable for high temperatures often do not have such good resistance to moisture. Recently, new high-temperature greases have been developed, for example, grades ВНИИИП-220 (VNIINP-220) and ВНИИИП-214 (VNIINP-214), which are better than existing grades in respect of operating temperature and load-carrying capacity. Greases cannot be fully assessed by drop point and penetration. Other characteristics must be taken into account. Recommendations are then made about the selection

30

Card 1/3

S/110/61/000/001/013/023  
E194/E455

### The Selection of Grease For the Bearings of Electrical Machines

of various grades of grease, governing criteria being the temperature on the inner race of the bearing, the velocity factor  $dn$  (the product of the internal diameter of the bearing in mm and the speed in rpm) and the calculated load acting on the bearings. Different values of these factors, and recommended relubrication times, are tabulated for four grades of grease. Thus, for grease UTV (1 - 13) to standard MOCT 1631-52 (GOST 1631-52) with an inner race temperature of -40 to +70°C, a velocity factor of 50000, and a calculated load of 500 kg, the recommended relubrication time is 4000 hours operation but not less than once in three years. For temperatures up to 95°C, velocity factor of 300000 and load of 3000 kg, the relubrication time becomes 1000 hours or not longer than once in six months. For grease VNIINP-214 and БТУНП-37-59 (VTUNP-37-59) for temperatures of -60 to +180°C with a velocity factor of 200000 and calculated load of 3000 kg, relubrication is required after 250 hours operation and after not longer than one month. Various factors that influence the life of grease in bearings are briefly discussed and the need

Card 2/3

S/110/61/000/001/013/023  
E194/E455

The Selection of Grease For the Bearings of Electrical Machines

to displace all old grease from the bearings when relubricating is  
mentioned. There are 1 figure, 1 table and 5 references:  
4 Soviet and 1 non-Soviet.

SUBMITTED: July 21, 1960

Card 3/3

PROKHOROV, N.

Forty years of geological survey and exploration of peat bogs.  
Torf.prom. 39 no.4:36-37 '62. (MIRA 15:7)  
(Geology, Economic)  
(Peat bogs)

**"APPROVED FOR RELEASE: 06/15/2000**

**CIA-RDP86-00513R001343120015-1**

PRO. H.D.R.S., U.

"In the Mine in the Tie Shan Mountains."

USSR Home Service. 12 April 1955.

**APPROVED FOR RELEASE: 06/15/2000**

**CIA-RDP86-00513R001343120015-1"**

N. PROKHOPOV

GAFUROV, B. and N. PROKHOPOV. ...Tadzhikskii narod v bor'be za svobodu i nezavisimost' svoei-fodiny. Ocherki iz istorii tadzhikov i Tadzhikistana. Stalinabad, Gosizdat, 1944. 211 p. (Akademiiia Nauk SSSR. Tadzhikskii filial, Stalinabad. Institut istorii, literatury i iaazyka). DLC: DK861.T3G3

SO: LC, Soviet Geography, Part II, 1951, Unclassified

KERSHENBAUM, Ya.M.; PROKHOROV, N.A.

Wear of the disks and seats of drilling-pump valves. Mash. i naft.  
obor. no.8:31-33 '64. (MIRA 17:11)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut neftekhimi-  
cheskoy i gazovoy promyshlennosti im. akademika Gubkina.

KERSHENBAUM, Ya.M.; PROKHOROV, N.A.

Problem of selecting a method for build-up welding with a weaving  
arc to restore petroleum equipment parts. Mash.i neft. obor.  
no.12:23-27 '63. (MIRA 17:4)

1. Moskovskiy ordena Trudovogo Krasnogo Znameni institut  
nefttekhnicheskoy i gazovoy promyshlennosti imeni akademika  
I.M.Gubkina.

I 63:27.65

ACCESSION NR: AP5015909

UR/0103/65/026/006/1067/1073  
621.374.335

3

B.

AUTHOR: Vasil'eva, N. P. (Moscow); Matorina, V. S. (Moscow);  
Petruskin, B. F. (Moscow); Prokhorov, N. L. (Moscow); Sedykh, O. A.  
(Moscow); Germ, E. I. (Moscow)

TITLE: Regions of mutually stable characteristics of logical elements and the  
problems of their design

SOURCE: Avtomatika i telemekhanika, v. 26, no. 6, 1965, 1067-1073

TOPIC TAGS: logical element, logical element stability, logical element design

ABSTRACT: There are two types of the "transfer" (input/output in relative units)  
characteristic of logical elements: the repeater type and the inverter type. The  
mutual stability of both types, defined as the absence of an undesirable  
change in the basis of input signals

and noise immunity, boundaries of regions are considered.

Card 1/2

L 63227-65

ACCESSION NR: AF5015909

"transfer" characteristics of the elements are mutually stable. Also, the limitations imposed on the repeater and inverter regions by maximum output signals are considered. These design steps are recommended: (1) Establishing the desirable characteristics of logical elements in terms of load, supply voltage,

6

elements. Orig. art. has: 6 figures and 6 formulas.

ASSOCIATION: none

SUBMITTED: 11JUL64

ENCL: 00

SUB CODE: DP, EC

NO RIF SOV: 001

OTHER: 000

Cart 2/2  
dpm

ИПРАВИТОРОВ, Михаил

KRYUCHKOV, Maksim Romanovich, burovoy master; PROKHOROV, Mikhail Fedorovich, burovoy master; SAFARALIYEV, Kerim Gadzhimetovich, VAHESMAN, A., red.; VENGERSKAYA, S., tekhn.red.

[Practices of innovators in the petroleum industry of Daghestan]  
Opyt novatorov neftianoi promyshlennosti Dagestana. [Derbent]  
Dagknigoizdat, 1953. 58 p.  
(MIRA 11:2)

1. Kontora turbinnogo bureniya No.2 tresta Dagneft' (for Kryuchkov, Prokhorov). 2. Nachal'nik mekhano-remontnoy bazy turboburov kontory turbinnogo bureniya No.2 tresta Dagneft' (for Safaraliyev)  
(Daghestan--Petroleum industry)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1

PROKHOROV, N.

Electric guitar. IUn.tekh. 3 no.1:62-65 Ja '59.

(MIRA 12:1)

1. Laboratoriya muzykal'noy akustiki Moskovskoy gosudarstvennoy  
konservatorii.

(Guitar)

(Electric resonators)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1"

SOV/84-58-5-29/57

AUTHOR: Prokhorov, N. Deputy Chief

TITLE: Learn the English Language (Izuchayte angliyskiy yazyk)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 5, p 30 (USSR)

ABSTRACT: The author first reports on the past difficulties and misunderstandings in dealing with foreign airline companies and passengers when Moscow city agency employees were not able to use English or the International Code IATA-ERIMP. Now, after more than two years of study, a group of 15 employees has acquired a working knowledge of English, and is successfully using it in dealing with foreign travelers and air-lines. The author suggests that other airports also take up English courses for certain employees, thus improving the service for foreigners and contributing to a better understanding between nations. A photograph showing the Finnish Aero Airline agency in the Moscow Vnukovo airport accompanies the article.

ASSOCIATION: Moskovskoye agenstvo Aeroflota (Moscow Agency of Aeroflot)  
Card 1/1  
1. Civil aviation    2. Personnel--Training    3. Language

PROKHOROV, N.

Learn English. Grazhd. av 15 no.5:30 My '58.

(MIRA 11:5)

1.Zamestitel' nachal'nika Moskovskogo agentstva Aeroflota.  
(English language--Study and teaching)

PROKHOROV, N.

PROKHOROV, N. (Frunze).

Visiting a notable cotton grower. Nauka i zhizn' 24 no.10:31-32  
O '57. (MIRA 10:11)  
(Kirghizistan--Cotton growing)

PROKHOROV, N.

Give more attention to housing management finance; How to improve planning for housing repairs. Fin. SSSR 38 no. 1:64-66 Ja '64.

1. Glavnyy byudzhet ramentno-stroitel'nogo upravleniya Dzerzhinskogo rayonnogo zhiliashchnogo upravleniya Moskvy.  
(MIRA 17:2)

*Prokhorov, N.*

AUTHOR: Prokhorov, N. (Frunze) 25-10-12/41

TITLE: A Visit to a Famous Cotton Worker (V gostyakh u snatnogo khlopkoroba)

PERIODICAL: Nauka i Zhizn', 1957, # 10, pp 31-32 (USSR)

ABSTRACT: Allya Anarov, the son of a poor Kirghiz farmer, raised the output of cotton from 5-6 centners per hectare to 60 centners. His experiments proved that ploughing in January does not only promote the accumulation of moisture in the soil but also creates more favorable conditions for early spring sowing, secures an accelerated development of the cotton plant and provides the possibility of harvesting before frost sets in. Anarov was among the first cotton planters who, in order to save space, sowed cotton in narrow rows (45-60 cm). He usually spreads fertilizers 3 to 4 times, consisting of two centners of super-phosphate, 1 1/2 centner ammonium saltpeter and 3 centners of humus mixed with organic manure per hectare. During the season the fields are irrigated about 6-7 times, because of the dry climate of Southern Kirghizia. Year by year the yields of the cotton fields increased. In 1951 the crop per hectare averaged 43.2 centners; in the years 1952-1954 - 56.8 to 59 centners and in 1956, 65 centners.

Card 1/2

A Visit to a Famous Cotton Worker

25-10-12/41

In 1957 the Kirghiz Republic was awarded the Lenin prize  
for its great achievements in the agricultural field.

AVAILABLE: Library of Congress

Card 2/2

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1

KERSHENBAUM, Ya.M.; Prokhorov, N.A.

Weaving arc build-up welding of oil well drilling equipment.  
Trudy MINKHiGP no.34:12-19 '61. (MIRA 14:12)  
(Oil well drilling—Equipment and supplies)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343120015-1"

S/137/62/000/001/115/237  
A052/A101

AUTHORS: Kershenbaum, Ya. M., Prokhorov, N. A.

TITLE: Vibration arc building-up of parts of oil drilling equipment

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 1, 1962, 70, abstract 1E<sup>431</sup>  
("Tr. Mosk. in-t neftekhim. i gaz prom-sti", no. 34, 1961, 12-19)

TEXT: Tests were carried out on automatic vibration arc building-up of parts of oil drilling equipment of Cr 40X (St 40Kh). CBC (SVS), II 1 (P1), Y 9 (U9), 50 XFA (50KhFA) and 50 wires (compositions are given) were used as electrode material. As cooling liquid 6% soda ash solution and 20% commercial glycerin solution were used at 18 - 80°C. The effect of parameters of the process on the built-up layer formation and on the quality of the weld joint is shown. Their effect on the structure and hardness of built-up metal and on the zones of thermal action was studied. It is pointed out that the structure and hardness of metal build-up is greatly affected by the electrode wire composition; build-up pitch; quantity, composition, temperature and way of supply of cooling liquid; speed of the arc displacement. It is established that for



Card 1/2

S/137/62/000/001/115/237  
A052/A101

Vibration arc building-up ...

building-up parts subjected to alternating loads, carbon and alloyed wire with  
 $\leq 0.3\%$  content should be chosen. The wear resistance of restored parts is by  
10 - 12% lower than that of new ones.

V. Tarisova

[Abstracter's note: Complete translation]

Card 2/2

GADZHIYEV, M.Yu.; GUL'KO, F.B.; DZHELYALOV, A.R.; DUDNIKOV, Ye.Ye.;  
KAZAKOV, V.D.; LITOVCHENKO, I.A.; NORIKIN, K.B.; PROKHOROV, N.L.

Seventh conference of young scientists of the Institute of  
Automatic and Remote Control of the Academy of Sciences of the  
U.S.S.R. Avtom. i telem. 21 no.9:1326-1331 8 '60. (MIRA 13:10)  
(Automatic control--Congresses)

PROKHOROV, N. L.

"The Existing memory circuits of magnetic, logical elements from the viewpoint of continuity."

Report presented at the Seventh Scientific and Technical Conference of Young Scientists of the Institute of Automation and Telemechanics of the AS USSR.  
March 14-16, 1960.

PROKHOROV, N.I., kand.tekhn.nauk

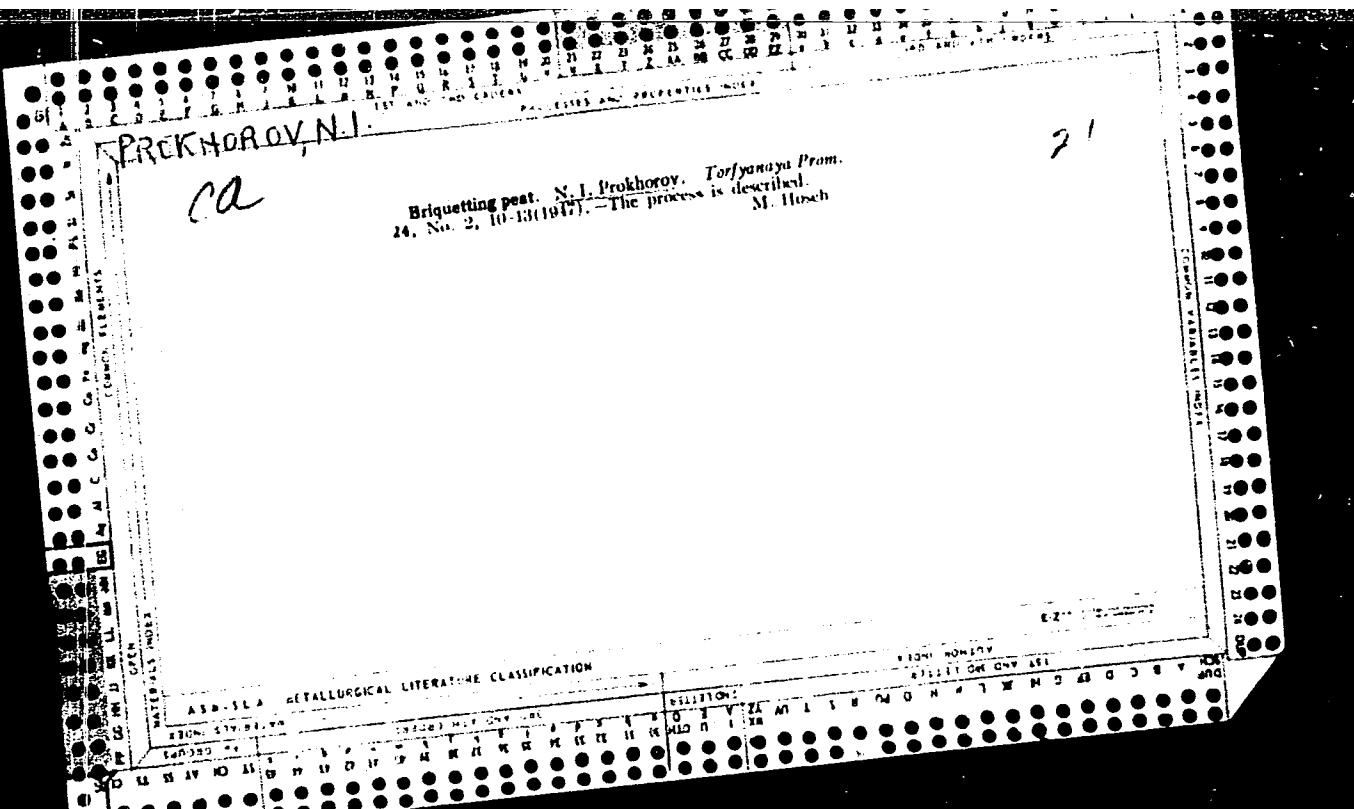
Some problems in the development of peat briquet manufacture.  
Torf.prom. 40 no.5:19-20 '63, (MIRA 16:8)

1. Upravleniye torfyanoogo fonda Glavnogo upravleniya geologii i  
okhrany nedr pri Sovete Ministrov RSFSR.  
(Peat industry) (Briquets (Fuel))

PROKHOROV, N.I., kand.tekhn.nauk, dotsent

Organizing the winning of fuel peat for public and domestic  
use. Zbor.st.po izuch.torf.fonda no.2:183-198 '57. (MIRA 11:8)

1.Glaftorffond RSFSR.  
(Peat)



ANTONOV, V.Ya., kand.tekhn.nauk; BEZZUBOV, N.D., kand.tekhn.nauk; BELOKO-  
PYTOV, I.Ye., kand.sel'skokhoz.nauk; BLYUMENBERG, V.V., kand.tekhn.  
nauk; BOGDANOV, N.N., kand.tekhn.nauk; BRAGIN, N.A., inzh.; VASIL'YEV,  
Yu.K., inzh.; VINOGRADOV, V.A., inzh.; ROZENBERG, B.I., inzh.; GOR-  
GIDZHANYAN, S.A., kand.tekhn.nauk; ZIZA, A.A., kand.sel'skokhoz.nauk;  
KALABUKHOV, M.V., agronom-meliorator; KOLOTUSHKIN, V.I., inzh.; KORCHU-  
NOV, S.S., kand.tekhn.nauk; KRYUKOV, M.N., dotsent; VAVULO, V.A., inzh.;  
NAUMOV, D.K., kand.tekhn.nauk; OLENIN, A.S., inzh.; PROVORKIN, A.S.,  
inzh.; PROKHOROV, N.I., dotsent; RASKIN, G.I., inzh.; SAVENKO, I.V.,  
inzh.; SERGEYEV, B.F., kand.tekhn.nauk; STOYLIK, M.A., inzh.; SUKHA-  
NOV, M.A., inzh.; TOPOL'NITSKIY, N.M., kand.tekhn.nauk; TYUREMNOV, S.N.,  
doktor biol.nauk, prof.; FATCHIKHINA, O.Ye., kand.sel'skokhoz.nauk;  
TSVETKOV, B.I., inzh.; CHUBAROV, N.D., inzh.; MANDEL'BAUM, A.I., inzh.;  
(Continued on next card)

ANTONOV, V.Ya.---(continued) Card 2.

YARTSEV, A.K.; SAMSONOV, N.N., inzh., glavnnyy red.; BERSHADSKIY, L.S., inzh., nauchnyy red.; VARENTSOV, V.S., kand.tekhn.nauk, nauchnyy red.; VYSOTSKIY, K.P., kand.tekhn.nauk, nauchnyy red.; GORINSTEYN, L.L., kand.tekhn.nauk, nauchnyy red.; GORYACHKIN, V.G., prof., nauchnyy red.; YEFIMOV, P.N., kand.tekhn.nauk, nauchnyy red.; KUZEMAN, G.I., kand.tekhn.nauk, nauchnyy red.; KULAKOV, N.N., kand.tekhn.nauk, nauchnyy red.; KUTAIS, L.I., prof., doktor tekhn.nauk, nauchnyy red.; MIRKIN, M.A., inzh., nauchnyy red.; SEMENSKIY, Ye.P., kand.tekhn.nauk, nauchnyy red.; SOKOLOV, A.A., kand.tekhn.nauk, nauchnyy red.; KHAZANOV, Ya.N., dotsent, nauchnyy red.; KHALUGO, A.K., inzh., nauchnyy red.; TSUPROV, S.A., dotsent, nauchnyy red.; SETZYNBOK, G.D., inzh., nauchnyy red.; KOLOTUSHKIN, V.I., red.; SKVORTSOV, I.M., tekhn.red.

[Reference book on peat] Spravochnik po torfu. Moskva, Gos.energ.  
izd-vo, 1954. 728 p. (MIRA 13:7)

1. Chlen-korrespondent AN BSSR (for Goryachkin).  
(Peat—Handbooks, manuals, etc.)

ABKHAZI, V.I.; ANTONOV, V.Ya.; BLYUMENBERG, V.V.; VARENTSOV, V.S.;  
VELLER, M.A.; ZYUZIN, V.A.; IVANOV, V.N.; KUZHMAN, G.I.;  
LUKIN, A.V.; MATVEYEV, A.M.; OZEROV, B.N.; PAL'TSEV, A.G.;  
PEROV, N.P.; PROKHOROV, N.I.; RAKOVSKIY, V.Ye.; SZEINSKIY, Ye.P.;  
SOLOPOV, S.G.; TYUREMINOV, S.N.; TSUPROV, S.A.; CHULYUKOV, M.A.

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(MIRA 15:7)  
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Prokhorov N.I.

GINZBURG, A.G.; PROKHOROV, N.I.

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kond. prom. l no.34-37 Mr '57. (MIRA 10:4)

1. Moskovskiy tekhnologicheskiy institut pishchevoy promyshlennosti (for  
Ginsburg). 2. Moskovskiy gorodskoy trest Rosglavkhleba (for Prokhorov).  
(Yeast) (Moscow--Bakers and bakeries--Equipment and supplies)

PROKHOROV, N. I.

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*Prokhorov, N.I.*

STRUKOV, B.I.; PROKHOPOV, N.I.

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(MLRA 10:6)

1. Ministerstvo toplivnoy promyshlennosti RSFSR (for Strukov).
2. Glavtorffond RSFSR (for Prokhorov).  
(Denmark--Peat industry)

LEITCHFORD, I.M.; PROKHOLOV, N.K.

Following the road indicated by Lenin's party. Elek. i tepl.  
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1. Nachal'nik lokomotivnogo depo Orenburg Kuybyshevskoy  
dorogi (for Letchford).  
(Orenburg--Railroads)